

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 152 (MOUNTAIN ROAD) AND MD 7 (PHILADELPHIA ROAD) IN HARFORD COUNTY, MARYLAND. MD 152 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA EIGHT-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 152 APPROACHES OPERATING CONCURRENTLY AND THE MD 7 APPROACHES OPERATING CONCURRENTLY.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR EASTBOUND AND WESTBOUND MD 152 APPROACHES.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING WILL BE PROVIDED FOR EASTBOUND AND WESTBOUND MD 7 APPROACHES.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE DETECTOR RACK WILL BE RETRO-FITTED AND FOUR (4) FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIERS WILL BE ADDED.

MAINTENANCE OF TRAFFIC

THE FOLLOWING MINIMUM TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.04-01 (SHOULDER WORK)

STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)

STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)

STANDARD NO. MD-104.02-13 (INTERSECTION FLAGGING)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

MR. MIKE PASQUARIELLO
ASST. DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

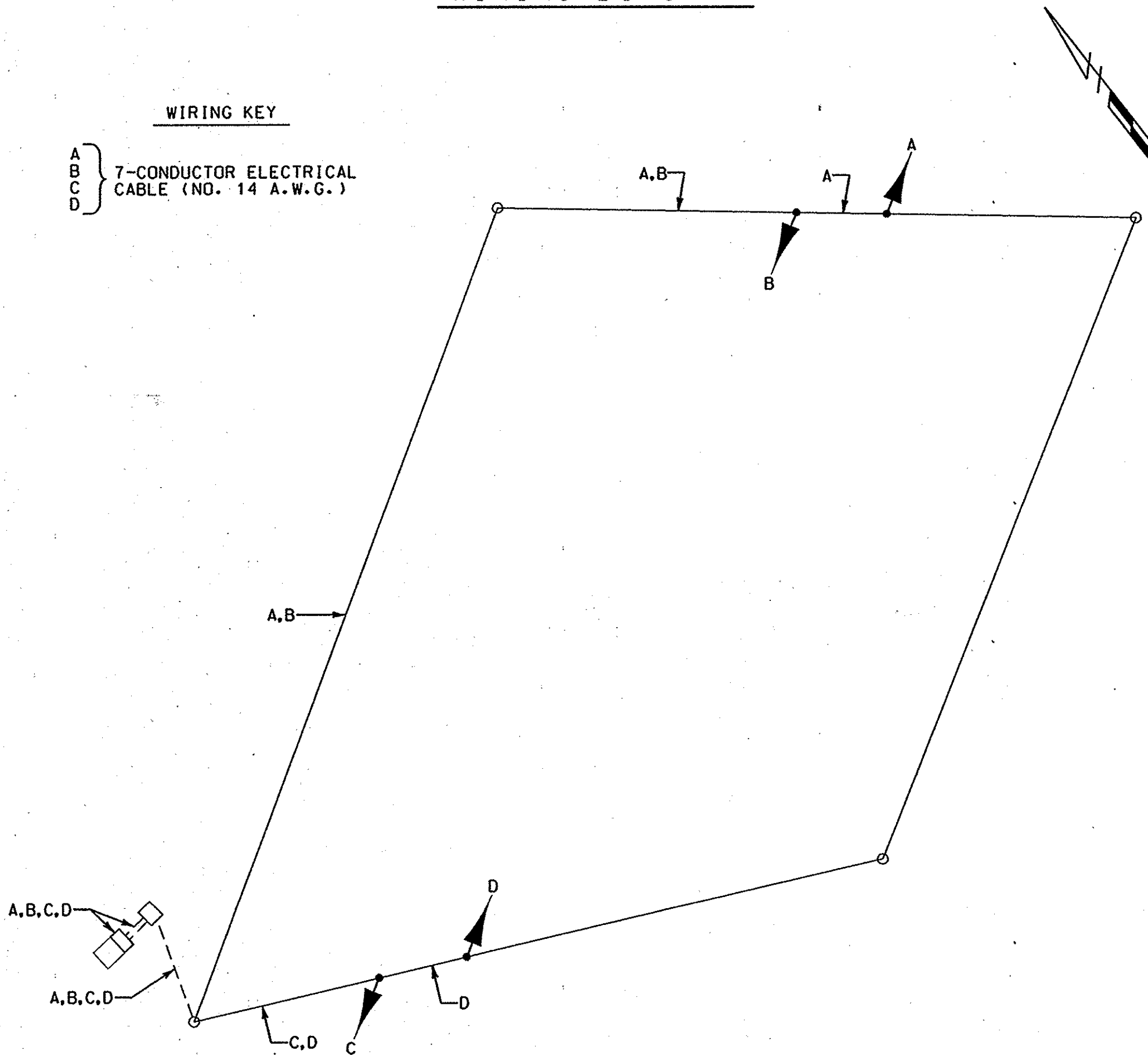
MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM

WIRING KEY

A
B
C
D } 7-CONDUCTOR ELECTRICAL
CABLE (NO. 14 A.W.G.)



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9016	4 EACH	FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER
9000	1 EACH	RETRO-FIT DETECTOR RACK
9571	22 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 2 EACH R3-8 SIGN (30 IN. x 30 IN.) - GROUND MOUNT - 1 EACH R3-5L SIGN (30 IN. x 36 IN.) - SPAN MOUNT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

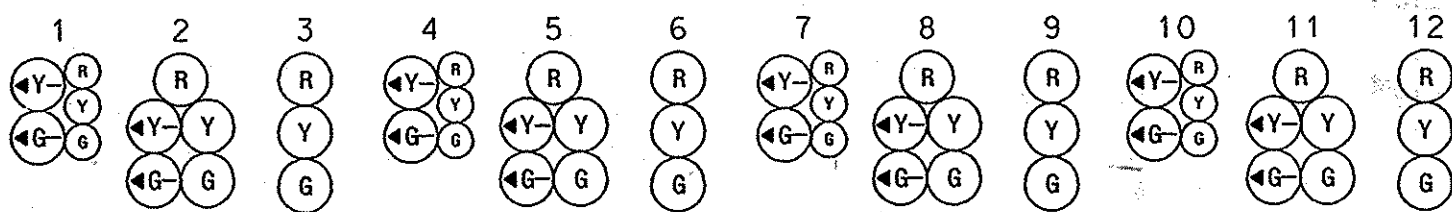
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
5004	55 L.F.	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
8002	24 EACH	12 INCH RED OR GREEN LED SIGNAL HEAD SECTION
8003	16 EACH	12 INCH YELLOW LED SIGNAL HEAD SECTION
8011	12 EACH	8 INCH LED SIGNAL (R-Y-G) HEAD SECTION
8028	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT AS PER ASSIGNMENT
8041	30 L.F.	WOOD SIGN SUPPORTS 4 INCH X 4 INCH
8063	14 S.F.	INSTALL GROUND MOUNTED SIGN
8064	19 S.F.	INSTALL OVERHEAD SIGN
8079	870 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G)

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PHASE CHART



PHASE 1 + 5	R	R	R	R	R	R	R	R	R	R	R	R
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6											
PHASE 1 + 6	G	G	G	R	R	R	R	R	R	R	R	R
1 + 6 CHANGE	G	G	G	R	R	R	R	R	R	R	R	R
PHASE 2 + 5	R	R	R	G	G	G	R	R	R	R	R	R
2 + 5 CHANGE	R	R	R	G	G	G	R	R	R	R	R	R
PHASE 2 + 6	G	G	G	G	G	G	R	R	R	R	R	R
2 + 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
PHASE 3 + 7	R	R	R	R	R	R	R	R	R	R	R	R
3 + 7 CHANGE	PHASE 3 + 7 MAY CHANGE TO PHASE 3 + 8, PHASE 4 + 7 OR PHASE 4 + 8											
PHASE 3 + 8	R	R	R	R	R	R	R	R	R	R	R	R
3 + 8 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 4 + 7	R	R	R	R	R	R	R	R	R	R	R	R
4 + 7 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 4 + 8	R	R	R	R	R	R	R	R	R	R	R	R
4 + 8 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET

MD 152 (MOUNTAIN RD) AND MD 7 (PHILADELPHIA RD)



Whitman, Reardon
and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

DRAWN BY: S. BLOSS
CHECKED BY: N. LEARY
SCALE: NONE
DATE: 9/19/2005

F.A.P. NO.
S.H.A. NO.
COUNTY:
LOG MILE:

AT7825185
HARFORD
12015202.97

TS NO.
TS-862 C
T.I.M.S. NO.
H064

SHEET NO.

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